PCI to Dual/Quad USB Card

USER'S MANUAL

Introduction

The card is a PCI to USB card that supports four USB ports (Model : 580-4) and two USB ports (Model : 580) in PCI-bus personal computers.

The USB controller card is the same as working in 12Mbps bus bandwidth to peripherals with plug and play capabilities. USB is your answer for any PC user who wants instant, no-hassle way to connect a new mouse, digital joystick, scanner, digital camera, keyboards, or even a PC telephone to the computer.

The card fully meets PCI specification V.2.1. It is fully supported by USB operating system; such as Windows 98 and future Windows platform. It offers simple, flexible and highly scalable connectivity between PC and full range of peripherals.

It supports up to 127 devices in a tiered star configuration. Devices can be in low speed (1.5Mbps) or in full speed (12Mbps).

● Features

- Full Compliance with USB Spec Rev 1.0
- Plug and play capability with external peripherals
- Auto detect speeds and connections of device
- Quad USB Ports (Model : 580-4)
- Dual USB Ports (Model : 580)
- PCI specification V.2.1 compliant
- Supports advanced PCI commands
- Normal and low power operating mode
- Tiered star topology supporting up to 5 tiers and 127 devices, no cable segment exceeding 5 meters

● System Requirements

- IBM or compatible systems with a 486DX-66 MHz or faster processor (Pentium® processor recommended)
- The PC must be 100% PCI compatible
- One available PCI slot
- Windows® 95 (version 4.00.950B with USB supplement installed) or newer Windows® version (Windows98)
- 16 Megabytes (MB) of memory (24 MB recommended)

● Package Contents

Following items are included in the packaging carton:

(1) One USB card (Model : 580-4 / 580)

(2) User's manual (Model : 580-4 / 580)

(3) Static-resistant bag

If items are damaged or missing, please contact your dealer.

Hardware installation

Figure1: 580-4 USB controller card layout

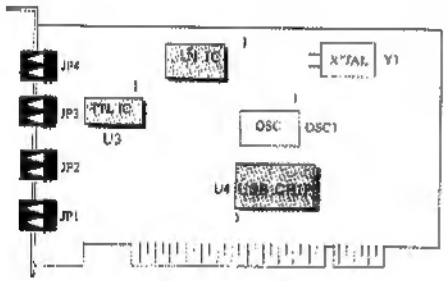
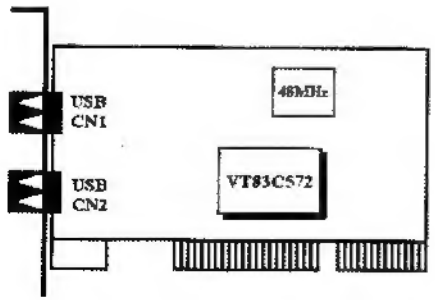
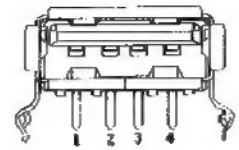


Figure2: 580 USB controller card layout



Board Location	Port Name	Connector Type
CN1 ~ CN2(Model:580)	USB port A	4pin A-type USB connector
JP1 ~ JP4(Model:580-4)	USB port A	4pin A-type USB connector

USB port (A Type)



USB Connector

Figure3: USB port

PIN	SIGNAL
1	VCC
2	DATA-
3	DATA+
4	GND

Installation steps as follows :

(1) Put USB on a safe location and connect the Hub to the power.

(2) Plug USB connector into USB outlet (A Type) of PC.

(3) After power-on the WINDOWS 98 system, requires to set up the USB value and the " USB HUB device" will take the following operations.

*(4) When the installation has been done well that the LED light will turn on.

*(5) Then, plug all the USB peripherals connectors into the " USB HUB",Windows 98 and install directly. Another LED light go on when the installation has been done well.

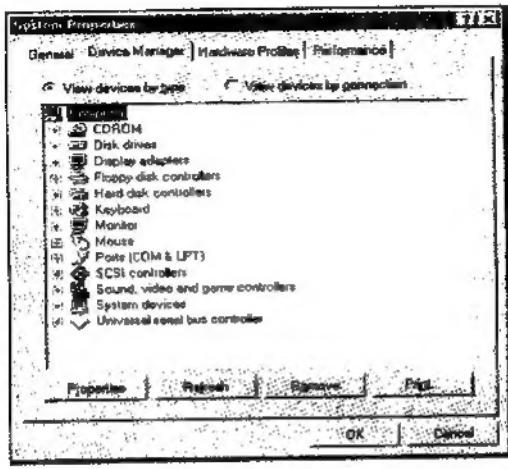
* Note: USB HUB device is supplied by other vender.

Software installation

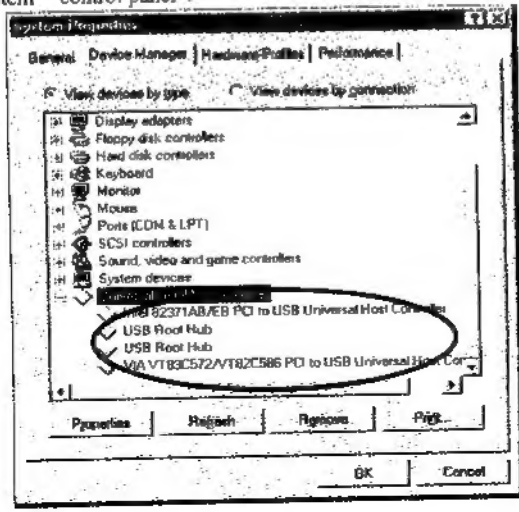
Here will tell you how to set up your 580-4/580 USB controller card. The 580-4/580 USB controller card is in Plug and Play. It means there are no jumpers, IRQs, or DIP switch setting to configure.

1. Insure your Windows 98 has the USB Supplement software installed. This program can be found on your Windows 98, if you do not have the software installed.

2. Windows98 Plug and Play will automatically detect the 580-4/580 USB controller card. Windows 98 will also automatically install the drivers and configure for you. The Following will appear on screen during the Windows 98 boot up:



3. The USB controller will appear in "universal serial bus controller" in "Device Manager" through "System" "control panel".



If you do not see the above messages, be sure that you have the USB support software installed.

Note :

(1) Windows supports PnP mode, So Windows98 can install the USB driver directly.
(2) When the driver has been installed, reset the PC, if you want to confirm the installation, please click the "My Computer", then choose "Control Panel" "System" "Device Manager", and general serial bus control card.
(3) When generic USB is shown on general serial bus control card, it means the installation correct .

KWE 580
Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE

This device is in conformance with Part 15 of the FCC Rules and Regulations for Information Technology Equipment. Operation of this product is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device accept any interference received, including interference that may cause undesired operation.

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B Computing Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and if not installed and used in accordance to the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio and television reception, which can be determined by turning the equipment off and on, the user is encouraged trying to correct the interference by one or more of the following measures:

* Reorient or relocate the receiving antenna.
* Increase the separation between the equipment and the antenna.
* Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
* Consult the dealer or an experience radio or TV technician for help.

IMPORTANT

Any changes or modifications not expressly approved by the party responsible for the compliance could void the user's authority to operate this equipment.
This product requires the use of shielded cables in order to comply with FCC requirements.

KWE 580-4
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